import pandas as pd

from sklearn.svm import SVC

from sklearn.linear\_model import LinearRegression

print("bot:hello,please note that hi=0,reg=1,classify=2")

print("you:sure thank you")

print("bot:with pleasure,how can i help you")

msg=input("you:")

distance= float(input("can you provide distance: "))

no\_of\_passengers = int(input("can i know how many no\_of\_passengers: "))

time= int(input("at what time do you want ride: "))

vehicle\_model = int(input("specify vehicle\_model: "))

traffic= int(input("if traffic: "))

wheather = int(input("rainy wheather: "))

v\_demand = int(input("is there v\_demand: "))

no\_of\_tolls = int(input("can i know no\_of\_tolls: "))

waiting = int(input(" is there any late: "))

if '0' in msg:

print('hi')

elif '1' in msg:

def reg(file,impacts,outcome,inps):

data = pd.read\_csv(file)

X = data[impacts]

Y = data[outcome]

linear\_regressor = LinearRegression()

linear\_regressor.fit(X, Y)

nx = [inps]

pred = linear\_regressor.predict(nx)

return pred

p = reg('cabfareprediction.csv',["distance","no\_of\_passengers","time","vehicle model","traffic","wheather","v\_demand","no\_of\_tolls","waiting"],"value",[distance,no\_of\_passengers,time,vehicle\_model,traffic,wheather,v\_demand,no\_of\_tolls,waiting])

print("The % of selecting data1 is: ",float(p[0]))

elif '2' in msg:

def classify(file,impacts,outcome,inps):

data = pd.read\_csv(file)

X = data[impacts]

Y = data[outcome]

Y = Y.round()

clf = SVC(kernel='linear')

clf.fit(X, Y)

nx = [inps]

pred = clf.predict(nx)

return pred

p = classify('cabfareprediction.csv',["distance","no\_of\_passengers","time","vehicle model","traffic","wheather","v\_demand","no\_of\_tolls","waiting"],"value",[distance,no\_of\_passengers,time,vehicle\_model,traffic,wheather,v\_demand,no\_of\_tolls,waiting])

print("The % of selecting data1 is: ",float(p[0]))